

Technical Data Sheet

Accucomp ASA002L

Acrylonitrile Styrene Acrylate
LyondellBasell Industries
Engineering Plastics

General			
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 Kg	2.5 g/10 min	2.5 g/10 min	
220°C/10.0 Kg	25 g/10 min	25 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	276000 psi	1900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	6820 psi	47.0 MPa	
Break	4640 psi	32.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	35 %	35 %	
Flexural Modulus	312000 psi	2150 MPa	ASTM D790
Flexural Strength	9720 psi	67.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	2.3 ft-lb/in	130 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	106	106	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	199 °F	93.0 °C	
264 Psi (1.8 Mpa), Unannealed	172 °F	78.0 °C	

Notes

These are typical property values not to be construed as specification limits.